

Title (en)

DETECTION OF TRACE CHEMICALS AND METHOD THEREFOR

Title (de)

ERKENNUNG CHEMISCHER SPURENELEMENTE UND VERFAHREN DAFÜR

Title (fr)

DÉTECTION DE PRODUITS CHIMIQUES À L'ÉTAT DE TRACES ET PROCÉDÉ CORRESPONDANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2010021777A2] The invention provides devices, systems, and methods for detecting an analyte vapor. Particularly, electronegative analyte vapors, such as those vapors evolving from explosive compounds, are typical analytes detected the devices. The devices operate using a resistivity change mechanism wherein a nano structured chemiresistive material undergoes a resistivity change in the presence of an analyte vapor. A resistivity change indicates the presence of an analyte.

IPC 8 full level

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